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PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 1021.40515X00

First Inventor Akemi HIROTSUNE

Title See 1 in Addendum

Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 185]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 46]
5. Oath or Declaration [Total Pages 4]
 - a. ☒ Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - b. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☒ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: See Attachment

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part(CIP)

of prior application No.: _____ / _____

Prior application information.

Examiner _____

Group Art Unit _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

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City

State

Zip Code

Country

Telephone

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Name (Print/Type)

Alan E. Schiavelli

Registration No. (Attorney/Agent)

32.087

Signature

Date

August 20, 2001

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17. Other Accompanying Application Parts (Cont'd):

PTO Form 1449 w/ref.

Figure 1 consists of 12 bar charts, each representing a different demographic or marital category. The x-axis for all charts represents age groups: 18-24, 25-34, 35-44, 45-54, 55-64, and 65+. The y-axis represents the percentage of respondents, ranging from 0% to 100%.

- 1. Total:** Shows a general upward trend from approximately 15% in the 18-24 group to 45% in the 65+ group.
- 2. Male:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.
- 3. Female:** Shows a general upward trend from approximately 10% in the 18-24 group to 45% in the 65+ group.
- 4. White:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.
- 5. Black:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.
- 6. Hispanic:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.
- 7. Asian:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.
- 8. Pacific Islander:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.
- 9. Other:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.
- 10. Married:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.
- 11. Single:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.
- 12. Divorced:** Shows a general upward trend from approximately 10% in the 18-24 group to 40% in the 65+ group.

<h2 style="margin: 0;">FEE TRANSMITTAL</h2> <h3 style="margin: 0;">for FY 2000</h3> <p style="font-size: small; margin: 0;">Patent fees are subject to annual revision. Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 CFR §§ 1.27 and 1.28</p>	<p>Complete if Known</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Application Number</td><td></td></tr> <tr><td>Filing Date</td><td>August 20, 2001</td></tr> <tr><td>First Named Inventor</td><td>Akemi HIROTSUNE</td></tr> <tr><td>Examiner Name</td><td></td></tr> <tr><td>Group / Art Unit</td><td></td></tr> <tr><td>Attorney Docket No.</td><td>1021.40515X00</td></tr> </table>	Application Number		Filing Date	August 20, 2001	First Named Inventor	Akemi HIROTSUNE	Examiner Name		Group / Art Unit		Attorney Docket No.	1021.40515X00
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TOTAL AMOUNT OF PAYMENT (\$) 1,506.00													

<p>METHOD OF PAYMENT (check one)</p> <p>1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit Account Number <u>01-2135</u></p> <p>Deposit Account Name <u>Antonelli, Terry, Stout & Kraus, LLP</u></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p style="margin-left: 20px;"><input type="checkbox"/> Check <input type="checkbox"/> Money Order <input checked="" type="checkbox"/> Other</p>	<p>FEE CALCULATION (continued)</p> <p>3. ADDITIONAL FEES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105 130</td><td>205 65</td><td>Surcharge - late filing fee or oath</td><td>0.00</td></tr> <tr><td>127 50</td><td>227 25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td>0.00</td></tr> <tr><td>139 130</td><td>139 130</td><td>Non-English specification</td><td>0.00</td></tr> <tr><td>147 2,520</td><td>147 2,520</td><td>For filing a request for reexamination</td><td>0.00</td></tr> <tr><td>112 920*</td><td>112 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td>0.00</td></tr> <tr><td>113 1,840*</td><td>113 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td>0.00</td></tr> <tr><td>115 110</td><td>215 55</td><td>Extension for reply within first month</td><td>0.00</td></tr> <tr><td>116 380</td><td>216 190</td><td>Extension for reply within second month</td><td>0.00</td></tr> <tr><td>117 870</td><td>217 435</td><td>Extension for reply within third month</td><td>0.00</td></tr> <tr><td>118 1,360</td><td>218 680</td><td>Extension for reply within fourth month</td><td>0.00</td></tr> <tr><td>128 1,850</td><td>228 925</td><td>Extension for reply within fifth month</td><td>0.00</td></tr> <tr><td>119 300</td><td>219 150</td><td>Notice of Appeal</td><td>0.00</td></tr> <tr><td>120 300</td><td>220 150</td><td>Filing a brief in support of an appeal</td><td>0.00</td></tr> <tr><td>121 260</td><td>221 130</td><td>Request for oral hearing</td><td>0.00</td></tr> <tr><td>138 1,510</td><td>138 1,510</td><td>Petition to institute a public use proceeding</td><td>0.00</td></tr> <tr><td>140 110</td><td>240 55</td><td>Petition to revive - unavoidable</td><td>0.00</td></tr> <tr><td>141 1,210</td><td>241 605</td><td>Petition to revive - unintentional</td><td>0.00</td></tr> <tr><td>142 1,210</td><td>242 605</td><td>Utility issue fee (or reissue)</td><td>0.00</td></tr> <tr><td>143 430</td><td>243 215</td><td>Design issue fee</td><td>0.00</td></tr> <tr><td>144 580</td><td>244 290</td><td>Plant issue fee</td><td>0.00</td></tr> <tr><td>122 130</td><td>122 130</td><td>Petitions to the Commissioner</td><td>0.00</td></tr> <tr><td>123 50</td><td>123 50</td><td>Petitions related to provisional applications</td><td>0.00</td></tr> <tr><td>126 240</td><td>126 240</td><td>Submission of Information Disclosure Stmt</td><td>0.00</td></tr> <tr><td>581 40</td><td>581 40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40.00</td></tr> <tr><td>146 690</td><td>246 345</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td>0.00</td></tr> <tr><td>149 690</td><td>249 345</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td>0.00</td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td>0.00</td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td>0.00</td></tr> <tr> <td colspan="3" style="text-align: right;">Subtotal (3)</td> <td>(\$)40.00</td> </tr> </tbody> </table>	Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	105 130	205 65	Surcharge - late filing fee or oath	0.00	127 50	227 25	Surcharge - late provisional filing fee or cover sheet	0.00	139 130	139 130	Non-English specification	0.00	147 2,520	147 2,520	For filing a request for reexamination	0.00	112 920*	112 920*	Requesting publication of SIR prior to Examiner action	0.00	113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	0.00	115 110	215 55	Extension for reply within first month	0.00	116 380	216 190	Extension for reply within second month	0.00	117 870	217 435	Extension for reply within third month	0.00	118 1,360	218 680	Extension for reply within fourth month	0.00	128 1,850	228 925	Extension for reply within fifth month	0.00	119 300	219 150	Notice of Appeal	0.00	120 300	220 150	Filing a brief in support of an appeal	0.00	121 260	221 130	Request for oral hearing	0.00	138 1,510	138 1,510	Petition to institute a public use proceeding	0.00	140 110	240 55	Petition to revive - unavoidable	0.00	141 1,210	241 605	Petition to revive - unintentional	0.00	142 1,210	242 605	Utility issue fee (or reissue)	0.00	143 430	243 215	Design issue fee	0.00	144 580	244 290	Plant issue fee	0.00	122 130	122 130	Petitions to the Commissioner	0.00	123 50	123 50	Petitions related to provisional applications	0.00	126 240	126 240	Submission of Information Disclosure Stmt	0.00	581 40	581 40	Recording each patent assignment per property (times number of properties)	40.00	146 690	246 345	Filing a submission after final rejection (37 CFR § 1.129(a))	0.00	149 690	249 345	For each additional invention to be examined (37 CFR § 1.129(b))	0.00	Other fee (specify) _____			0.00	Other fee (specify) _____			0.00	Subtotal (3)			(\$)40.00
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SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Alan E. Schiavelli	Registration No. (Attorney/Agent)	32,087
Signature		Telephone	703-312-6600
		Date	August 20, 2001

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